

ABSTRACT OF THE DISCLOSURE

A reverse torque input detection system for a V-belt type continuously variable transmission detects a reverse torque input without using a revolution sensor. The process of detecting a reverse torque input to a V-belt type continuously variable transmission starts at time t_2 when a time period for preventing erroneous detection has elapsed subsequent to time t_1 when a throttle valve opening was 0/8 and the brake state changed from ON to OFF. The detection process determines the presence of a reverse torque input to a V-belt type continuously variable transmission when primary pressure decreases no less than ΔP_{pri} from the hydraulic pressure P_{pri0} obtained while the brake state was ON and secondary pressure decreases less than ΔP_{sec} from the hydraulic pressure P_{sec0} obtained while the brake state was ON. The reverse torque input can be detected from the changes of primary pressure and secondary pressure; thereby eliminating the need for a pair of revolution sensors conventionally used and contributing to the cost reduction.